L Number	Hits	Search Text	DB	Time stamp
1	6625	controlled adj pore adj glass	USPAT; US-PGPUB	2004/11/24 12:52
6	0	(controlled adj pore adj glass) and (spinodal near3 decomposition) and (boron)	USPAT; US-PGPUB	2004/11/24 12:49
7	0	(controlled adj pore adj glass) and (spinodal) and (boron)	USPAT; US-PGPUB	2004/11/24 12:49
8	0	(controlled adj pore adj glass) and (spinodal)	USPAT; US-PGPUB	2004/11/24 13:17
9	44	(controlled adj pore adj glass) and (decomposition) and (boron)	USPAT; US-PGPUB	2004/11/24 12:49
10	44	((controlled adj pore adj glass) and (decomposition) and (boron)) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:03
11	10914	((controlled adj pore adj glass) or CPG)	USPAT; US-PGPUB	2004/11/24 13:17
12	1035	(((controlled adj pore adj glass) or CPG)) and (silicon adj (oxide or dioxide))	USPAT; US-PGPUB	2004/11/24 13:05
13	128	((((controlled adj pore adj glass) or CPG)) and (silicon adj (oxide or dioxide))) and boron	USPAT; US-PGPUB	2004/11/24 12:53
14	126	(((((controlled adj pore adj glass) or CPG)) and (silicon adj (oxide or dioxide))) and boron) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 12:54
16	1	(((controlled adj pore adj glass) or CPG)) and (silicon adj (oxide or dioxide))	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 13:04
17	6971	(((controlled adj pore adj glass) or CPG)) and (thermal or annealing or heating)	USPAT; US-PGPUB	2004/11/24 13:13
18	360	((((controlled adj pore adj glass) or CPG)) and (thermal or annealing or heating)) and (spindoal or decomposition)	USPAT; US-PGPUB	2004/11/24 13:06
19	357	(((((controlled adj pore adj glass) or CPG)) and (thermal or annealing or heating)) and (spindoal or decomposition)) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 13:07
20	17	(((controlled adj pore adj glass) or CPG)) and (thermal or annealing or heating)	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 13:15
15	721	((controlled adj pore adj glass) or CPG)	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 13:14
22	704	(((controlled adj pore adj glass) or CPG)) not ((((controlled adj pore adj glass) or CPG)) and (thermal or annealing or heating))	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 13:15
23	1	((((controlled adj pore adj glass) or CPG)) not ((((controlled adj pore adj glass) or CPG)) and (thermal or annealing or heating))) and (silicon adj (oxide or dioxide))	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 13:16
24	1035	(((controlled adj pore adj glass) or CPG)) and (silicon adj (dioxide or oxide))	USPAT; US-PGPUB	2004/11/24 13:17
25	128	((((controlled adj pore adj glass) or CPG)) and (silicon adj (dioxide or oxide))) and boron	USPAT; US-PGPUB	2004/11/24 13:17
26	0	(((((controlled adj pore adj glass) or CPG)) and (silicon adj (dioxide or oxide))) and boron) and (spinodal)	USPAT; US-PGPUB	2004/11/24 13:17
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28	405	(pore with glass) and dielectric and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:00
29	96	((pore with glass) and dielectric and @ad<20031121) and boron	USPAT; US-PGPUB	2004/11/24 13:56

30	88	(((pore with glass) and dielectric and @ad<20031121) and boron) and (oxide or dioxide)	USPAT; US-PGPUB	2004/11/24 13:56
31	169	((controlled adj pore adj glass) or CPG) and dielectric and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:00
32	5	(((controlled adj pore adj glass) or CPG) same dielectric) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:04
34	19	(((controlled adj pore adj glass) or CPG) same (insulator or insulating or insulative)) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:03
35	0	((controlled adj pore adj glass) with dielectric) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:05
36	4	((controlled adj pore adj glass) same dielectric) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:07
38	4	(((controlled adj pore adj glass) same dielectric) and @ad<20031121) not ((((controlled adj pore adj glass) or CPG) same (insulator or insulating or insulative)) and @ad<20031121)	USPAT; US-PGPUB	2004/11/24 14:05
39	0	((controlled adj pore adj glass) same dielectric)	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 14:06
41	3	((CPG) same dielectric) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:07
42	1	("20030091476").PN.	USPAT; US-PGPUB	2004/11/24 14:17
43	1	("6156091").PN.	USPAT; US-PGPUB	2004/11/24 14:21
44	138	(Jon with Casey) or (Daniel with Edelstein)	USPAT; US-PGPUB	2004/11/24 14:23
45	8	((Jon with Casey) or (Daniel with Edelstein)) and pore	USPAT; US-PGPUB	2004/11/24 14:23
46	29	(Jon with Casey) or (Daniel with Edelstein)	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 14:23
47	0	((Jon with Casey) or (Daniel with Edelstein)) and pore	EPO; JPO; DERWENT; IBM_TDB	2004/11/24 14:23
33	21	((controlled adj pore adj glass) or CPG) same (insulator or insulating or insulative)	USPAT; US-PGPUB	2004/11/24 14:27
48	0	(controlled adj pore adj glass) same (insulator or insulating or insulative)	USPAT; US-PGPUB	2004/11/24 14:27
49	4	(controlled adj pore adj glass) same dielectric	USPAT; US-PGPUB	2004/11/24 14:28
50	97	(controlled adj pore adj glass) and dielectric	USPAT; US-PGPUB	2004/11/24 14:28
51	97	((controlled adj pore adj glass) and dielectric) and @ad<20031121	USPAT; US-PGPUB	2004/11/24 14:29

L Number	Hits	Search Text	DB	Time stamp
1	8	(("6551656") or ("6444268") or ("6027796") or ("5846278") or ("4933307") or ("3843341") or ("3792987") or ("3758284")).PN.	USPAT; US-PGPUB	2004/11/30 14:49
2	36	alkaline adj borosilicate adj glass	USPAT; US-PGPUB	2004/11/30 14:53
3	35	(alkaline adj borosilicate adj glass) and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:02
4	9	alkaline adj borosilicate adj glass	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 14:56
5	0	((("6551656") or ("6444268") or ("6027796") or ("5846278") or ("4933307") or ("3843341") or ("3792987") or ("3758284")).PN.) and (alkaline adj borosilicate adj glass)	USPAT; US-PGPUB	2004/11/30 14:56
6	2	((("6551656") or ("6444268") or ("6027796") or ("5846278") or ("4933307") or ("3843341") or ("3792987") or ("3758284")).PN.) and (CPG)	USPAT; US-PGPUB	2004/11/30 14:57
7	0	438/619,622-624,629,634,637-640.ccls. and (CPG)	USPAT; US-PGPUB	2004/11/30 15:00
8	0	438/619,622-624,629,634,637-640.ccls. and (controlled adj pore adj glass)	USPAT; US-PGPUB	2004/11/30 15:00
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10	4	438/$.ccls. and (alkaline adj borosilicate adj glass)	USPAT; US-PGPUB	2004/11/30 15:01
11	22	438/$.ccls. and (CPG)	USPAT; US-PGPUB	2004/11/30 15:05
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13	10	438/$.ccls. and (controlled adj pore adj glass)	USPAT; US-PGPUB	2004/11/30 15:07
14	10	(438/$.ccls. and (controlled adj pore adj glass)) and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:27
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16	14	257/$.ccls. and (controlled adj pore adj glass)	USPAT; US-PGPUB	2004/11/30 15:07
17	14	(257/$.ccls. and (controlled adj pore adj glass)) and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:08
18	14	((257/$.ccls. and (controlled adj pore adj glass)) and @ad<20031121) not (((438/$.ccls. and (controlled adj pore adj glass)) and @ad<20031121) not ((438/$.ccls. and (CPG)) and @ad<20031121))	USPAT; US-PGPUB	2004/11/30 15:08
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20	0	("Li.sub.2OB.sub.2O.sub.3SiO.sub.2") and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:37
21	0	("Na.sub.2OB.sub.2O.sub.3SiO.sub.2") and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:37
22	0	("K.sub.2OB.sub.2O.sub.3SiO.sub.2") and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:29
23	0	("CaOB.sub.2O.sub.3SiO.sub.2") and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:29
24	0	("BaOB.sub.2O.sub.3SiO.sub.2") and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:30
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35	0	((BeO adj "B.sub.2O.sub.3" adj "SiO.sub.2") same pore) and @ad<20031121	USPAT; US-PGPUB	2004/11/30 15:36
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45	0	((MgO adj "B.sub.2O.sub.3" adj "SiO.sub.2") same pore)	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 15:35
46	0	((BeO adj "B.sub.2O.sub.3" adj "SiO.sub.2") same pore)	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 15:36
47	0	((SrO adj "B.sub.2O.sub.3" adj "SiO.sub.2") same pore)	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 15:36
48	0	((ZnO adj "B.sub.2O.sub.3" adj "SiO.sub.2") same pore)	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 15:36
49	0	(("K.sub.2O" adj "B.sub.2O.sub.3" adj "SiO.sub.2") same pore)	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 15:36
50	0	("Na.sub.2OB.sub.2O.sub.3SiO.sub.2") same pore	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 15:37
51	0	("Li.sub.2OB.sub.2O.sub.3SiO.sub.2") same pore	EPO; JPO; DERWENT; IBM_TDB	2004/11/30 15:37

DOCUMENT-IDENTIFIER: US 20040029303 A1

TITLE: Discrete nano-textured structures in biomolecular arrays, and method of use

---------- KWIC ---------

Application Filing Date - APD (1):
20020807

Current US Classification, US Primary Class/Subclass - CCPR (1):
438/16

Detail Description Paragraph - DETX (6):
[0025] Alternatively, **controlled pore glass** may be used. **Controlled pore glass** is made starting with a borosilicate material that is heated, resulting in separation of the borates and the silicates within the borosilicate material. After then leaching out the borates, one is left with a glass having pores of substantially uniform size. One commercially available source of **controlled pore glass is Controlled Pore Glass,** Inc., Lincoln Park, N.J. A slurry made from solvent and microscopic particles of **controlled pore glass** may be made (or silica aerogel particles can also be used, either alone or in a matrix of sol-gel silica, silica, spin-on glasses, substituted silsesquioxanes (SSQs) (such as MSSQ, hydrido SSQ, alkyl SSQ, aryl SSQ), and copolymers thereof) and passed over the substrate 16. After the solvent has evaporated, any excess pore glass on the substrate 16 may be polished or scraped off, and the remaining pore glass may be sintered in situ so that the pore glass is

bound within the microwells 22, i.e., to the walls 30 of the microwells. If necessary, the substrate 16 may then be polished back to ensure that the pore glass resides only within the microwells 22, and not on top of the substrate 16. (Alternatively, one can vapor deposit borosilicate glass into the microwells, polish, leach out the borates, and anneal.) A more elaborate method for adding pore glass particles to the microwells involves the use of patterned electric and/or magnetic fields. The particles can be drawn into the wells 22 electrokinetically, or if **controlled pore glass** particles having magnetic impurities therein are used, by a magnetic field. The pore glass particles can then be manipulated by introducing, underneath the substrate 16, a patterned electric and/or magnetic field having high field gradients and/or strengths, so that the pore glass particles are drawn into the microwells 22. To this end, one can position a plate having a patterned array of metal protrusions underneath the substrate 16, with the protrusions being aligned with respective microwells.

DOCUMENT-IDENTIFIER: US 20030091476 A1

TITLE: Fluidic methods and devices for parallel chemical reactions

---------- KWIC ---------

Detail Description Paragraph - DETX (22):

[0075] FIG. 3A illustrates an exploded perspective view of a flowthrough multi-cell reactor device, a preferred embodiment of the present invention. In this device, a microfluidic template 310 is sandwiched between a first window plate 351 and a second window plate 361. Preferably, the microfluidic template 310 is made of silicon when reaction cells are small. In this case, the preferred distance between adjacent reaction cells is in the range of 10 to 5,000 .mu.m. More preferably, the distance is in the range of 10 to 2,000 .mu.m. Yet more preferably, the distance is in the range of 10 to 500 .mu.m. Even more preferably, the distance is in the range of 10 to 200 .mu.m. The silicon microfluidic template 310 is formed using etching processes which are well know to those skilled in the art of semiconductor processes and microfabrication (Madou, M., Fundamentals of Microfabrication, CRC Press, New York, (1997)). The top surface 313 of the microfluidic template 310 is preferably coated with **silicon dioxide,** which can be made by either oxidation or evaporation during a fabrication process. When the reaction cells are large, e.g. the distance between adjacent reaction cells is larger than 5,000 .mu.m, plastic materials are preferred. Plastic materials may also be preferred for large quantity production of the multi-cell

reactor device even
when the distance between adjacent reaction cells is less than 5.000 .mu.m.
Preferred plastics include but are not limited to polyethylene, polypropylene,
polyvinylidine fluoride, and polytetrafluoroethylene. The plastic microfluidic
template 310 can be made using molding methods, which are well know to those
skilled in the art of plastic processing. The one aspect of the present
invention, the first window plate 351 and the second window plate 361 are
preferably made of transparent glass and are bonded with the microfluidic
template 310. In another aspect of the present invention, the first window
plate 351 and the second window plate 361 are preferably made of transparent
plastics including but not limited to polystyrene, acrylic, and polycarbonate,
which have the advantage of low cost and easy handing.

Detail Description Paragraph - DETX (33):
[0086] The microfluidic array devices of this invention can be used to
produce or immobilize molecules at increased quantities by incorporating porous
films 543a and 543b in the reaction chambers or cells as shown in FIG. 5D.
Several materials and fabrication processes, which are well known to those
skilled in the art of solid phase synthesis (A Practical Guide to Combinatorial
Chemistry", edited by Czamik et al., American Chemical Society, 1997.
incorporated herein by reference), can be used to form the porous films inside
the device. One process is to form a controlled porous glass film on the
silicon wafer, which forms the fluidic template 510, during the device
fabrication process. In the first preferred process, a borosilicate glass film
is deposited by plasma vapor deposition on the silicon wafer. The wafer is
thermally annealed to form segregated regions of **boron and**

silicon oxide. The
boron is then selectively removed using an acid etching process to form the porous glass film, which is an excellent substrate material for oligonucleotide and other synthesis processes. In the second preferred process, polymer film, such as cross-linked polystyrene, is formed. A solution containing linear polystyrene and UV activated cross-link reagents is injected into and then drained from a microfluidic array device leaving a thin-film coating on the interior surface of the device. The device, which contains opaque masks 564 to define the reaction chamber regions, is next exposed to UV tight so as to activate crosslinks between the linear polystyerene chains in the reaction chamber regions. This is followed by a solvent wash to remove non-crosslinked polystyrene, leaving the crosslinked polystyrene only in the reaction chamber regions as shown in FIG. 5D. Crosslinked polystyrene is also an excellent substrate material for oligonucleotide and other synthesis processes.

Detail Description Paragraph - DETX (41):
[0094] FIG. 7A schematically illustrates a variation of a flowthrough multi-cell reactor with reaction chambers containing beads in which solid-phase chemical reactions take place, another embodiment of the two-level device configuration shown in FIG. 2B. The beads 741 are made of materials including, but not limited to, **CPG** (controlled pore glasses), cross-linked polystyrene, and various resins that are used for solid-phase synthesis and analysis that have been extensively discussed in "A Practical Guide to Combinatorial Chemistry", edited by Czarnik et al., American Chemical Society, 1997. In one aspect of the present invention, the chemical compounds formed in or on the

beads 741 are used for assay applications. The porous or three-dimensional structure of the beads supports high loading of the chemical compounds and therefore, leads to high sensitivity of the assay. Another embodiment of the present invention involving high loading substrate is shown in FIG. 7B. Resin pads 742 are used in place of beads.

Detail Description Paragraph - DETX (45):

[0098] In a preferred embodiment of the present invention, a device configuration shown in FIG. 3C is used and an array of oligonucleotides for hybridization assay applications is synthesized. The microfluidic template 310 is made of silicon. The first window plate 351 and the second window plate 361 are made of glass. The top surface 313 of the microfluidic template 310 is coated with **silicon dioxide**. The inner surface areas of the microfluidic device is first derivatised with linker molecules, such as N-(3-triethoxysilylpropyl)-4-hydroxybutyramide (obtainable from Gelest Inc., Tullytown, Pa. 19007, USA) so that the hydroxyl containing linker molecules are attached to the **silicon dioxide** and glass surfaces. The derivitization of various solid surfaces is well know to those skilled in the art (Beier et al, in Nucleic Acids Research, 27, 1970, (1999), and references quoted therein). A DMT (4,4'-dimethoxytrityl)-protected spacer phosphoramidite, such as Spacer Phosphoramidite 9 supplied by Glen Research, Sterling, Va. 20164, USA, is injected into the reactor and is coupled to the linker molecules. It is well know that the use of the spacer is advantageous for hybridization application of the assay (Southern et al. in Nature Genetics Supplement, 21, 5, (1999)). Photogenerated-acid precursor (PGAP), such as an onium salt SSb (from Secant chemicals Inc., MA 01475, USA) in CH.sub.2Cl.sub.2, is

injected into the reactor. While keeping a steady flow of PGAP, a first predetermined group of illumination chambers 325 is illuminated so that photogenerated acid (PGA) is generated and the detritylation (removal of DMT protection groups) takes place in the corresponding reaction cells, which consists of an illumination chamber 323, a connection channel 324, and a reaction chamber 325. A first DMT (4,4'-dimethoxytrityl)-protected phosphoramidite monomer, choosing from dA, dC, dG, and dT (obtainable from Glen Research, Sterling, Va. 20164, USA), is injected into the reactor so that the first phosphoramidite monomer is coupled to the spacer in the illuminated reaction cells. No coupling reaction takes place the un-illuminated reaction cells because the spacer molecules in these cells are still protected by DMT groups. The synthesis reaction is preceded with capping and oxidation reactions, which are well known to those skilled in the art of oligonucleotide synthesis (Gait et al, in "Oligonucleotide Synthesis: a Practical Approach", Oxford, 1984). A second predetermined group of illumination chambers are then illuminated followed by the coupling of the second phosphoramidite monomer. The process proceeds until oligonucleotides of all predetermined sequences are formed in all predetermined reaction cells.

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1 **Fabrication and optical characterization of template-constructed thi films with chiral nanostructure**
Harris, K.D.; Sit, J.C.; Brett, M.J.;
Nanotechnology, IEEE Transactions on , Volume: 1 , Issue: 3 , Sept. 2002
Pages:122 - 128

[Abstract] [PDF Full-Text (681 KB)] **IEEE JNL**

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2 **Effect of water inclusions on charge transport and polarization in po media**
Capaccioli, S.; Lucchesi, M.; Casalini, R.; Rolla, P.A.; Bona, N.;
Dielectrics and Electrical Insulation, IEEE Transactions on [see also Electrical Insulation, IEEE Transactions on] , Volume: 8 , Issue: 3 , June 2001
Pages:454 - 460

[Abstract] [PDF Full-Text (984 KB)] **IEEE JNL**

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3 **Ceramic coatings and its properties controlling**
Verechshagin, V.I.; Petrovskaya, T.S.; Ignatov, V.P.;
Science and Technology, 2003. Proceedings KORUS 2003. The 7th Korea-Russ International Symposium on , Volume: 1 , 28 June-6 July 2003
Pages:170 - 174 vol.1

[Abstract] [PDF Full-Text (398 KB)] **IEEE CNF**

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4 **3-D interconnected porous AlN composite: a viable substrate for electronic packaging**
Jin Yong Kim; Kumta, P.N.;
Aerospace and Electronics Conference, 1998. NAECON 1998. Proceedings of tl IEEE 1998 National , 13-17 July 1998

Pages:656 - 665

[Abstract] [PDF Full-Text (1700 KB)] **IEEE CNF**

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5 **Tapes and thick films for high frequency packaging**
Wahlers, R.L.; Stein, S.J.; Sykora, G.P.;
Electronic Components and Technology Conference, 1990. Proceedings., 40th
23 May 1990
Pages:116 - 121 vol.1

[Abstract] [PDF Full-Text (408 KB)] **IEEE CNF**

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... O-B201 system is caused by a **boron** anomaly that ... 72 "F), 100 Hz 0.007(e) **Dielectric** constant at ... These **glasses** have become known as **controlled pore glass** (CPG ...
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[PDF] Corning Research Papers
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... The **Dielectric** Properties of **Glass**- PAUL ... During Thermal Dehydration of **Porous Glass** at Temperatures ... **Controlled**-Potential Coulometry of Lead, Cadmium, and Zinc ...
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Phys. Rev. Lett. 73, 2224 (1994): Schüller et al. - **Dielectric ...**
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... of the normal mode relaxation [10]. **Controlled porous glass** (CPG) Bioran, purchased from. ... a **pore** volume of 0.8 cm3 per g of **glass** and an extremely. ...
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... can be used to incorporate **controlled** porosity ... a surfactant to help generate the **porous** structure within ... CVD produced the requisite depo- sited **glass** layers of ...
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Euro Ceramics VIII
... Powders as New Adsorbents for Heavy Metal Adsorption **Porous Glasses** with **Controlled** Porosity: Processing ... of Opium Seeds as an Organic **Pore** Forming Agent ...
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Ceramics.Com Resources
... such as cerium for **glass** polishing, **dielectric** ... Equipment Corporation Soilmoisture manufactures **porous** ceramics in an ... in that they have **controlled** porosity with ...

www.ceramics.com/results.cfm?category=102 - 21k - Cached - Similar pages

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... OF Eu^{2+} IN SiO_2-Al_2O_3 **GLASS** DURING THERMAL ... STUDIES OF STRUCTURAL, **DIELECTRIC** AND ELECTRICAL BEHAVIOUR OF Pb ... OF **POROUS** MATERIALS WITH **CONTROLLED PORE** SIZE AND ...
www.csa.com/csa/e_products/bacontent/ne0C1523.html - Similar pages

Sol - Gel Bibliography : Aerogels
... 142, N° 10, (1995), 3444; **Control** of **Pore** Characteristics of **Porous Glass** by Coating ...
15, N° 5, (1994), 1011; **Glass**-Ceramic Sol-Gel Coating of Ceramic ...
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Physics & Chemistry - Contents - PC-41
... VP N. Nampoori, P. Radhakrishnan, **CPG** Vallabhan & V ... between a lead borosilicate glass **dielectric** coating and an Al ... of pressure compacted vitreous **boron** oxide AC ...
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... silicon) = (CAA (mask) ? CSP (mask)) ? (ÿ **CPG** (mask ... fact oxides or not, or interlevel **dielectric** (ILD ... be a spin-on polymer; **boron**-doped phosphosilicate ...
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[PDF] PROGRAM SCHEDULE
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... Broad-band **dielectric** spectroscopy in a **boron**-based liquid ... H. Galina, GW Bak, T. Pakula, **Dielectric** properties of ... SH Al-Harthi, VPN Nampoori, **CPG** Vallabhan, P ...
clc2003.webpark.pl/main_pliki/program.pdf - Similar pages

Journal of Physics D: Applied Physics Volume 29, Number 4
... Varier, Riju C Issac, VPN Nampoori and **CPG** Vallabhan ... and thickness of a lossless **dielectric** overlayer on ... 1088, In situ **boron**-doped polycrystalline silicon films ...
www.iop.org/EJ/toc/0022-3727/29/4 - Similar pages

Patent Abstracts
... a plurality of dopants selected from silver salts, **boron** oxide, silicon ... High capacitance **dielectric** materials and low cost metallizations layered ... **CPG** Homepage. ...
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... of the transistors, achieved by use of **boron** ions. ... approximately 50 Q and an effective **dielectric** constant of ... The parasitic elements Lg, Ld, L,, **Cpg**., cpd, and ...
www.eecs.umich.edu/rebeiz/ Completed%20Research%20Papers/155_213_GHz_HEMT_Os_95.pdf - Similar pages

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... Varier GK; Issac RC; Nampoori VPN; Vallabhan **CPG**. ... and thickness of a lossless **dielectric** overlayer on ... In situ **boron**-doped polycrystalline silicon films prepared ...
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... N-well P-well P+ P+ P+ **Boron** Photoresist Fig. ... 1-e. Contact and Metallization 44. Planerization and **Dielectric** Film Deposition 45. VIA Photo 46. Etch VIA 47. ...
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... Structure of the Methyl-**CpG** Binding Domain ... ISSN: 00219258 Título: Preparation of **boron** carbide thin ... Título: Application of the **dielectric** barrier discharge ...
europa.sim.ucm.es:8080/compludoc/ AA?a=Ikegami%2C+T&donde=otras&zfr=0 - 92k - Supplemental Result - Cached - Similar pages

Materials Letters.
... Bind-Bismuth | Bismuth -Boe | Bon-**Boron** | Boroni-Bri ... P. Radhakrishnan, VPN Nampoori, **CPG** Vallabhan, AK ... YC Venudhar, K. Satya Mohan, **Dielectric** behaviour of ...
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Materials Letters.
... Bind-Bismuth | Bismuth -Boe | Bon-**Boron** | Boroni-Bri ... KM Jadhav, Electrical and **dielectric** properties of ... NV Unnikrishnan, VPN Nampoori, **CPG** Vallabhan, Optical ...
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Journal of Applied Physics 1999, Vol 85, Iss 3 ~ LA eng AU JF. ...
... Calculation of the hole concentration in **boron**-doped diamond ... TE Effect of humidity on microwave **dielectric** losses of ... AU SS.Raman, VPN.Nampoori, **CPG**.Vallabhan, G ...
www.infomag.ru:8082/dbase/J132E/990423-179.txt - 20k - Cached - Similar pages

éÓÔÏÞÎÉË Japanese Journal of Applied Physics Part 1 ...
... Issac, CV Bindhu, VPN Nampoori, **CPG** Vallabhan îÁÚ ... HL Hartnagel îÁÚ×ÁÎÉÁ **Boron** implantation into ... îÁÚ×ÁÎÉÁ Microwave **dielectric** properties of ...
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... CV Bindhu, VPN Nampoori, **CPG** Vallabhan □àçâàíèå ... HL Hartnagel □àçâàíèå **Boron** implantation into ... àçâàíèå Microwave **dielectric** properties of ...
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... T. Wietler, E. Bugiel, and KR Hofmann, "**Boron** surfactant--enhanced ... Praseodymium Oxide: A New High-K **Dielectric**", 9 th ... Lindel, M. Horn von Hoegen, **CPG** Barty, JA ...
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Journal of the Optical Society of America B - Archives
... matrix B. Aneeshkumar, Pramod Gopinath, **CPG** Vallabhan, VPN ... Rydberg series in atomic **boron** Karl K ... 638- (49 KB)] Spherical distributed **dielectric** resonators David ...
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... **boron** trifluoride etherate, 40 8C; iv: **Boron** tribromide, 78 ... tween bases at the PpG and **CpG** steps in ... ation of a potentially lower **dielectric** environment (Baidya ...
journals.cambridge.org/article_S1355838200001114 - Similar pages

Publications 2003
... **CPG** Butcher, A. Dinca, PJ Dyson, BFG Johnson, PRR ... Onsager model for a variable **dielectric** permittivity near an ... 1,6-asymmetric induction in **boron**-mediated aldol ...
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version: $Revision: 1.61 $!date: Fri Nov 28 11:44:33 GMT 2003 ! ...
... borderline borders boring borne **boron** boss both ... cover covered covering covers **CpG** cracking crawling ... dicysteine did dIDP dieldrin **dielectric** dienelactone diesel ...
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... covalently immobilized onto porous glass beads (**CPG**) and then ... utilizing the difference in their **dielectric** properties ... at as-deposited highly **boron**-doped diamond ...

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... studies of aqueous sol derived ferroelectric PbTiO 3 thin films 501 Banys J, Klimm C, V¨olkel G, Kajokas A, Brilingas A and Grigas J: **Dielectric** properties in ...
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... Periodic **Dielectric** Rods Located inside **Dielectric** Substrate by ... of Ultralow-Energy Implanted **Boron** into Silicon ... for Quadruped Robot with **CPG** Network including ...
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... no silicon as above, **boron**, carbon-to-metal bond or phosphorus being present in any organic ... oxidation of a saturated carbon atom in a hydrocarbon d **CPG** . . ...
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... the liquid crystal. In addition, they are electrically anisotropic in their behavior (**dielectric** anisotropy). Liquid crystals have ...
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... of differences in bulk (or **dielectric**) impedance. ... and 3D show the synthesis of the **CPG** derivative, and ... oxygen, sulfur, phosphorus, silicon or **boron** included in ...
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... Beat Frequency Oscillator BFRP **Boron** Fiber Reinforced ... Cost Plus Fixed Fee **CPG** Change Planning ... Disaster Warning Satellite DWV **Dielectric** Withstanding Voltage DY ...
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... the Environmental Protection Agency's (EPA) requirements for recycled content materials (RCM) as per the EPA's Comprehensive Procurement Guidelines (**CPG**). ...
ebs.sas.usace.army.mil/Solicitations/ DACA21-03-R-0030%5CSpecifications/VOL3.PDF - Similar pages

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... Supervisory CAMAC BH Network CPU0,1 CBD SD RM DIO **CPG** WS ... **dielectric** strength 25 % larger than that of the original one was fabricated and installed by the ...
www-jt60.naka.jaeri.go.jp/ annual/99/html/AnnualReport_99.pdf - Similar pages

[PS] Input Manual for ACES II
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... to an integer Na **dielectric** constant of N is used to determine the orbitals. ... An example of the **boron** PVTZ basis set entry in the GENBAS file is included below. ...
www.qtp.ufl.edu/Aces2/manual.ps - Similar pages

[PS] Scientific Report 1995 Stefano Baroni and Emmanuelle Crespeau ...
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... Sample-size hysteresis was also negligible. Changing the non-bonded parameters and the **dielectric** constant also had a small effect. ...
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... 7. Y. Kishimoto, T. Ohno, K. Miyatani, T. Tanaka, T. Nishikawa, M. Tange, M. Wake, T. Kashiwagi, H. Ogawa and H. Kawai; **Dielectric** Constant and **Dielectric** Loss ...
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1 **The CPG-based bionic quadruped system**
Cheng Zhifeng; Zheng Haojun; Zhang Xiuli; Zhao Liyao;
Systems, Man and Cybernetics, 2003. IEEE International Conference on , Volu 2 , 5-8 Oct. 2003
Pages:1828 - 1833 vol.2

[Abstract] [PDF Full-Text (639 KB)] **IEEE CNF**

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2 **Sequential modeling for identifying CpG island locations in human genome**
Dasgupta, N.; Lin, S.; Carin, L.;
Signal Processing Letters, IEEE , Volume: 9 , Issue: 12 , Dec. 2002
Pages:407 - 409

[Abstract] [PDF Full-Text (195 KB)] **IEEE JNL**

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3 **Toward biomorphic control using custom aVLSI CPG chips**
Lewis, M.A.; Etienne-Cummings, R.; Cohen, A.H.; Hartmann, M.;
Robotics and Automation, 2000. Proceedings. ICRA '00. IEEE International Conference on , Volume: 1 , 24-28 April 2000
Pages:494 - 500 vol.1

[Abstract] [PDF Full-Text (616 KB)] **IEEE CNF**

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4 **Sensitivity analysis of a hybrid neural network for locomotor control the lamprey**
Brewer, B.G.; Jung, R.;
Biomedical Engineering Conference, 1997., Proceedings of the 1997 Sixteenth Southern , 4-6 April 1997
Pages:353 - 356

[Abstract] [PDF Full-Text (344 KB)] **IEEE CNF**

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5 **Towards 3D adaptive dynamic walking of a quadruped robot on irre(terrain by using neural system model**
Kimura, H.; Fukuoka, Y.; Konaga, K.; Hada, Y.; Takase, K.;
Intelligent Robots and Systems, 2001. Proceedings. 2001 IEEE/RSJ Internatio Conference on , Volume: 4 , 29 Oct.-3 Nov. 2001
Pages:2312 - 2317 vol.4

[Abstract] [PDF Full-Text (486 KB)] **IEEE CNF**

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6 **Artificial neural networks for the emulation of human locomotion patterns**
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